

Title (en)

INK DISCHARGE HEAD, HEAD UNIT, APPARATUS FOR DISCHARGING INK, AND INK DISCHARGING METHOD

Title (de)

TINTENAUSSTOSSKOPF, KOPFEINHEIT, VORRICHTUNG ZUM AUSSTOSSEN VON TINTE UND TINTENAUSSTOSSVERFAHREN

Title (fr)

TÊTE D'ÉVACUATION D'ENCRE, UNITÉ DE TÊTE, APPAREIL D'ÉVACUATION D'ENCRE ET PROCÉDÉ D'ÉVACUATION D'ENCRE

Publication

**EP 3603981 B1 20220907 (EN)**

Application

**EP 19189271 A 20190731**

Priority

- JP 2018144896 A 20180801
- JP 2019136953 A 20190725

Abstract (en)

[origin: EP3603981A1] A liquid discharge head controls discharging of liquid by pressing a valve body, which is movably formed, towards a discharge port from which the liquid is discharged. A recessed portion is formed in the valve body at a position facing the discharge port.

IPC 8 full level

**B41J 2/285** (2006.01); **B05B 13/04** (2006.01); **B41J 2/03** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP US)

**B05B 1/086** (2013.01 - EP US); **B05B 13/0452** (2013.01 - EP US); **B41J 2/04** (2013.01 - EP); **B41J 2/135** (2013.01 - US); **B41J 2/17596** (2013.01 - US); **B41J 2/285** (2013.01 - EP); **B05B 9/04** (2013.01 - EP); **B05B 12/1472** (2013.01 - EP US); **B05B 15/18** (2018.01 - EP); **B05B 15/55** (2018.01 - EP); **B05B 15/58** (2018.01 - EP); **B41J 2202/01** (2013.01 - US); **B41J 2202/05** (2013.01 - EP)

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**EP 3603981 A1 20200205**; **EP 3603981 B1 20220907**; US 10987927 B2 20210427; US 2020039217 A1 20200206

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